

wo 8604916

DIALOG(R) File 351: Derwent WPI
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WPI Acc No: 1986-238884/*198636*

Related WPI Acc No: 1986-238883

XRAM Acc No: C86-102791

Bitumen-polymer binder cationic emulsions - using N-contg. emulsifier
system contg. N-contg. carboxylic acid salt as sequestering agent

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Number of Countries: 018 Number of Patents: 017

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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Priority Applications (No Type Date): FR 852212 A 19850215

Cited Patents: EP 80928; FR 1458754; FR 1576697; FR 2249915; FR 2479019

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 8604916 A F 53

Designated States (National): AU BR DK JP NO US

Designated States (Regional): AT BE CH DE GB IT LI NL SE

EP 214171 A F

US 5268029 A 16 C08L-095/00 Cont of application US 89425379

JP 94039571 B2 18 C08L-095/00 Based on patent JP 62501853

Based on patent WO 8604916

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Abstract (Basic): WO 8604916 A

Novel cationic emulsions comprise a dispersion of bitumen/polymer type binder as organic phase in an aq. phase contg. a cationic N-contg. emulsifier, an acid to give a pH 3-9 and an additive comprising a water soluble polyfunctional N-contg. carboxylic acid salt having, in pH range 3-9, a sequestering power w.r.t. metal ions equiv. to a fixation of at least 5 mg Ca++ ions per g. of salt. The emulsifying system is also claimed.

USE/ADVANTAGE - The emulsions are used e.g. for road applications. Use of the additive in the emulsifying system overcomes the harmful influence of interactions between solvent and emulsifier and between solvents and salts contained in the water. (53pp Dwg.No.0/0)

Title Terms: BITUMEN; POLYMER; BIND; CATION; EMULSION; N; CONTAIN; EMULSION ; SYSTEM; CONTAIN; N; CONTAIN; CARBOXYLIC; ACID; SALT; SEQUESTER; AGENT

Derwent Class: A93; L02; Q41

International Patent Class (Main): B01F-017/16; C08L-095/00

International Patent Class (Additional): B01F-017/18; B01F-017/22;

B01F-017/28; B01F-017/42; B01J-013/00; C04B-024/12; C04B-026/26;

C08K-005/17; E01C-007/24

File Segment: CPI; EngPI